

HP Security Research Cyber Risk Report 2015



The annual Cyber Risk Report from HP Security Research provides organizations with a better understanding of the threat landscape and supplies resources that can aid in minimizing security risk. This year's report features perspectives drawn from advanced data analysis and takes a focused look at multiple technologies, including open source, mobile, and the Internet of Things.

Déjà Vu: Attackers Focusing on Older Vulnerabilities

8227
days from launch of first Windows version affected by **CVE-2014-4114** ("Sandworm") vulnerability to release of the patch - April 16, 1992 to October 14, 2014

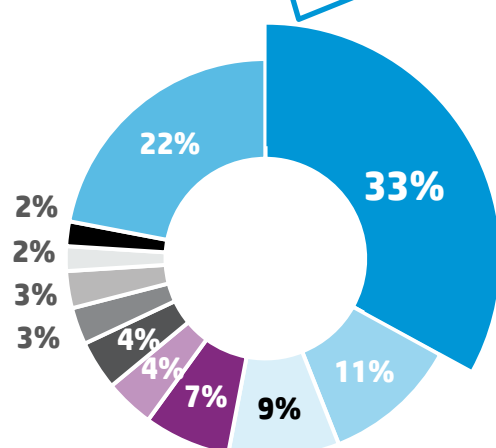
59
combined maximum age, in years, of the code in the high-profile Heartbleed, Shellshock, and POODLE zero-days

7 of the top 10 exploits found overall in 2014 targeted vulnerabilities over 2 years old

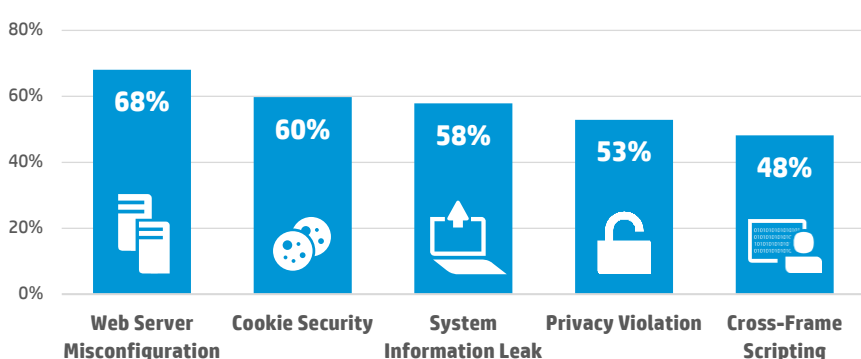
Top Exploits Discovered in 2014

- CVE-2010-2568
- CVE-2010-0188
- CVE-2013-2422
- CVE-2012-1723
- CVE-2012-0507
- CVE-2012-0158
- CVE-2013-2465
- CVE-2012-4681
- CVE-2013-2423
- CVE-2009-3129
- Others

33% of all exploit samples discovered in 2014 used an infection vector first detected in use in 2010, in Stuxnet

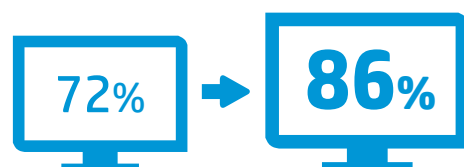


Server Misconfigurations Top Vulnerability List



• Server misconfigurations were the most common category of vulnerabilities across all analyzed apps

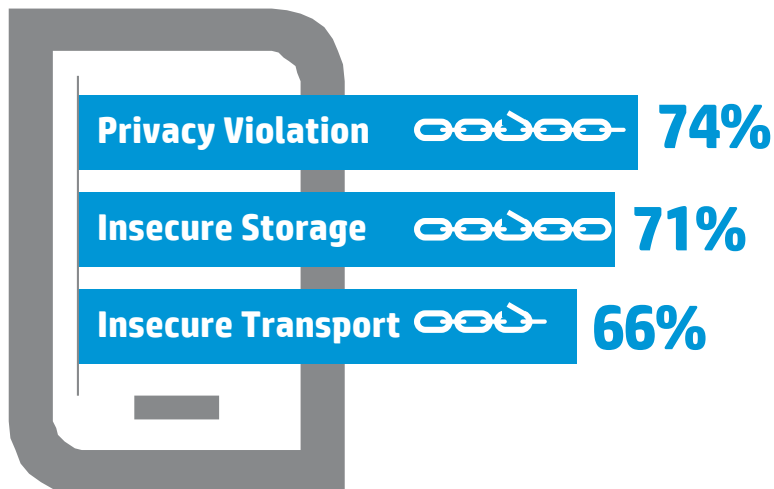
2013 vs. 2014



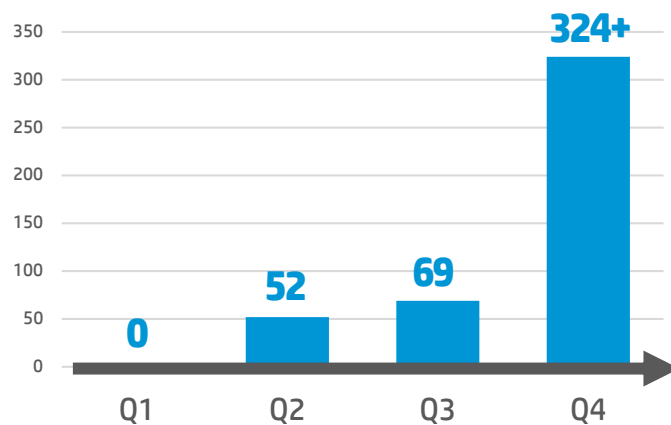
• Year-over-year change in % of web apps that exhibit one or more flaws in "Security Feature" development

Spotlight on Mobile

Top Mobile App Vulnerabilities



Number of Android ransomware samples detected in 2014, by quarter (through November)



Notable Numbers, Rankings, and Statistics

0
Major Oracle Java zero-days discovered in the wild in 2014

6
Pre-2014 Oracle Java vulnerabilities in the list of top ten 2014 exploit samples

On our minds:

malware

Search

top keyword searched by security practitioners (even besting "Security")

#1
Rank of Microsoft as subject of ZDI disclosures in 2014

#11
Rank of most-exploited IE vulnerability in Top 50 CVEs list

#6
Rank of most-exploited MS Office vulnerability in Top 50 CVEs list

HP Zero Day Initiative

400+
Record-breaking number of high-severity vulnerabilities disclosed and remediated through the ZDI

US **Canada** **Italy**
Countries with highest submission rates to the ZDI since 2004

3000+
Independent researchers working with the ZDI to expose and remediate weaknesses

Recommendations



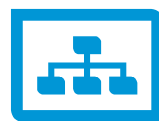
Understand the changing threat landscape



Develop and follow a patch strategy



Conduct penetration testing and configuration verification



Employ complementary technologies



Share threat intelligence with the community

Learn More

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